

**In the Specification:**

Please replace the paragraphs starting on page 4, line 15 and ending on line 19 with the following paragraphs:

1. Gray Portland Cement ~~Ca<sub>3</sub>Al<sub>2</sub>O<sub>6</sub>Fe<sub>2</sub>O<sub>3</sub>~~ CaO Ca<sub>3</sub>Al<sub>2</sub>O<sub>6</sub>Fe<sub>2</sub>O<sub>3</sub>, Classified as type I.

2. Silica Sand ~~SiO<sub>2</sub>~~ SiO<sub>2</sub> functions as a major structure embodiment of the matrix, after the mix is sprayed or otherwise applied on the substrate and is cured.

Please replace the paragraphs starting on page 5, line 2 and ending on line 9 with the following paragraphs:

4. Sil-Co-Sil (~~SiO<sub>2</sub> SiO<sub>2</sub>~~ or microcrystalline sand) A finely ground microcrystalline sand, is the main structural member next to silica sand in these dry mixes. The interaction with the hydraulic cements and other silicas, which are inert, assist in sealing the substrate from water penetration after the coating has cured.

5. Cab-O-Sil (~~SiO<sub>2</sub> SiO<sub>2</sub>~~ or fumed silica). An additional ~~thixotropic~~ thixotropic is hydrophobic fumed silica, which assists in water resistance, reduces spray on sagging and good anti-settling.

Please replace the paragraph starting on page 5, line 13 and ending on line 17 with the following paragraph:

7. Fly ash ~~Al<sub>2</sub>O<sub>3</sub>-Fe<sub>2</sub>O<sub>3</sub>~~ Al<sub>2</sub>O<sub>3</sub>, Fe<sub>2</sub>O<sub>3</sub> is a ~~pozzolan~~ pozzolan, a silicate and a aluminous material. The presence of moisture will combine with the lime liberated during the hydration of cement, and produce a resistance to sulfate, a common deteriorating chemical to most coatings. Fly ash has a typical diameter of 25 microns.

Please replace the paragraph starting on page 5, line 22 and ending on line 23 with the following paragraph:

9. Mineral Wool ~~SiO<sub>2</sub>-CaO-Al<sub>2</sub>O<sub>3</sub>-MgO-Fe<sub>2</sub>O<sub>3</sub>~~ SiO<sub>2</sub>, CaO Al<sub>2</sub>O<sub>3</sub>, MgO Fe<sub>2</sub>O<sub>3</sub>. Inorganic synthetic "wool-like" fibers that absorb moisture.

Please replace the paragraph starting on page 6, line 22 and ending on page 17, line 7 with the following paragraph:

14. Fondu is a Calcium Aluminate Cement ~~Al<sub>2</sub>O<sub>3</sub>-CaO-SiO<sub>2</sub>-Fe<sub>2</sub>O<sub>3</sub>-Na<sub>2</sub>O~~ Al<sub>2</sub>O<sub>3</sub>, CaO SiO<sub>2</sub>, Fe<sub>2</sub>O<sub>3</sub>, Na<sub>2</sub>O. Fondu is a cement that has the characteristic of high breaking and compressive strength, resistance to high temperature, hygroscopicity and sulfuric acid.

Please replace the paragraphs starting on page 6, line 14 and ending on line 17 with the following paragraph:

16. Fly ash/Micron 3 ~~Al<sub>2</sub>O<sub>3</sub> Al<sub>2</sub>O<sub>3</sub> Fe<sub>2</sub>O<sub>3</sub> Al<sub>2</sub>O<sub>3</sub> Al<sub>2</sub>O<sub>3</sub> O<sub>3</sub> Fe<sub>2</sub>O<sub>3</sub>~~ is a ~~pazzalan~~ pozzolan, a silicate and an aluminous material. The presence of moisture will combine with the lime liberated during the hydration of cement, and produce a resistance to sulfate, a common deteriorating chemical to most coatings. Fly ash/Micron 3 has a mean diameter of 3 microns.

17. Ceramic Fiber (~~Al<sub>2</sub>O<sub>3</sub> SiO<sub>2</sub> Ca P<sub>2</sub>O<sub>5</sub> Al<sub>2</sub>O<sub>3</sub> SiO<sub>2</sub> Ca<sub>2</sub>P<sub>2</sub>O<sub>7</sub>~~ or aluminosilicate) A predominant unique component for structural performance are ceramic fibers. These are dispersed by hydrolysis. The ceramic fibers produce substantial improvement and provide reinforcement, reduce cracking, and allow more flexibility of the cured products. The fibers function well at elevated temperatures of 2300 F and are very resistant to chemical attack.

Please replace the paragraph starting on page 9, line 23 and ending on line 31 with the following paragraph:

The portland cement is the primary structural binder of the composite powder mix when it is mixed with either a water base emulsion binder or a redispersible polymer binder and a quantity of water. The quantity of water base emulsion binder is 50 - 61 parts by weight. If the redispersible polymer binder is used, it is 10 - 14 parts by weight and mixed with water having between 44 - 54 parts by weight. The composite ~~powder~~ powder mix; and the

water base emulsion binder or redispersible polymer binder mixed with water are mixed with water having 88 - 112 parts by weight.

Please replace the paragraph starting on page 10, line 30 and ending on page 11, line 4 with the following paragraph:

The calcium aluminate cement is the primary structural binder of the composite powder mix when it is mixed with either a water base emulsion binder or a redispersible polymer binder and a quantity of water. The quantity of water base emulsion binder is 39 - 47 parts by weight. If the redispersible polymer binder is used, it is 7.8 - 11.4 parts by weight and mixed with between 34 - 42 parts by weight of water. The composite ~~powder~~ powder mix; and the water base emulsion binder or redispersible polymer binder mixed with water are mixed with 64 - 88 parts by weight of water.